

## CURRICULUM VITAE

**NAME:** RNDr. Peter Filipčík, PhD  
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### EDUCATION:

June 1995 PhD Slovak Academy of Sciences, Bratislava, Slovakia  
June 1986 RNDr. Comenius University, Faculty of Natural Sciences in Bratislava, Slovakia

### EMPLOYMENT:

1996 – pres Senior scientist - Institute of Neuroimmunology, Slovak Academy of Sciences, Bratislava, Slovakia (part time)  
2001 – pres Senior scientist - Axon Neuroscience GmbH, Vienna, Austria  
1986 - 1996 Research assistant, Institute of Experimental Endocrinology, Slovak Academy of Sciences, Bratislava, Slovakia  
2000 - 2001 University of Vienna, Vienna, Austria  
1998 - 2000 Visiting scientist at the CCRI, St. Anna Children Hospital, Vienna, Austria  
1995 - 1996 Research associate, Dept. of Pharmacol., University of Minnesota, Minneapolis, USA  
1993 - 1994 Research assistant, Dept. of Chem. Pharmacol., University of Tokyo, Japan

### INTERNATIONAL COURSES AND MEETINGS ATTENDED (selection):

1990 "3rd European Congress on Cell Biology", Florence, Italy  
1993 "The Radioisotopes in Biological Research", The Univ. of Tokyo, Tokyo, Japan  
1993 "5<sup>th</sup> Inter-Department Meeting on Chemical Pharmacol.", Seoul, South Korea  
1998 "6<sup>th</sup> Int. Conf. on Alzheimer's Disease and Related Disorders, Amsterdam, Netherlands  
2001 "Ageing and Dementia - Current and future concepts", Graz, Austria  
2003 In Vitro Human Cell Systems Enabling Drug Discovery, London, UK  
2004 "9<sup>th</sup> International Conference on Alzheimers Disease and Related Disorders", Philadelphia, Pennsylvania  
2005 Molecular Medicine Triconference, CHI, San Francisco, California, USA  
2006 "10<sup>th</sup> International Conference on Alzheimers Disease", Madrid, Spain

### MEMBERSHIP OF LEARNED SOCIETIES:

1997 Slovak Immunological Society  
1996 The Slovak Alzheimer Society  
2005 The Slovak Neuroscience Society

### PUBLICATION ACTIVITY:

Author and co-author of 21 scientific papers, 2 patents

List of publications:

**Filipčík P**, Cente M, Ferencik M, Hulin I, Novak M. The role of oxidative stress in the pathogenesis of Alzheimer's disease. *Bratisl Lek Listy*. 2006; 107 (9-10), 384-394

Pevalova M, **Filipčík P**, Novak M, Avila J, Iqbal K. Post-translational modifications of tau protein *Bratisl Lek Listy* 2006; 107 (9-10), 346-353

\*Cente M, \***Filipčík P**, Pevalova M, Novak M. Expression of a truncated tau protein induces oxidative stress in a rodent model of tauopathy. *Eur J Neurosci*. 2006 Aug;24(4):1085-90.

\*Zilka N, \***Filipčík P**, Koson P, Fialova L, Skrabana R, Zilkova M, Rolkova G, Kontsejkova E, Novak M. Truncated tau from sporadic Alzheimer's disease suffices to drive neurofibrillary degeneration in vivo. *FEBS Lett*. 2006 Jun 26;580(15):3582-8.

Soltys K, Rolkova G, Vechterova L, **Filipčík P**, Zilka N, Kontsejkova E, Novak M. First insert of tau protein is present in all stages of tau pathology in Alzheimer's disease. *Neuroreport*. 2005 Oct 17;16(15):1677-81.

Matuskova M, Csokova N, **Filipčík P**, Hanusovska E, Bires J, Cabadař J, Kontsek P, Novak M. First confirmed sheep scrapie with A136R154Q171 genotype in Slovakia. *Acta Virol*. 2003;47(3):195-8.

Lion T, Daxberger H, Dubovsky J, **Filipčík P**, Fritsch G, Printz D, Peters C, Matthes-Martin S, Lawitschka A, Gadner H. Analysis of chimerism within specific leukocyte subsets for detection of residual or recurrent leukemia in pediatric patients after allogeneic stem cell transplantation. *Leukemia*. 2001 Feb;15(2):307-10. No abstract available.

Cattaneo A, Capsoni S, Margotti E, Righi M, Kontsejkova E, Pavlik P, **Filipčík P**, Novak M. Functional blockade of tyrosine kinase A in the rat basal forebrain by a novel antagonistic anti-receptor monoclonal antibody. *J Neurosci*. 1999 Nov 15;19(22):9687-97.

Brtko J, **Filipčík P**, Hudecova S, Brtkova A, Bransova J. Nuclear all-trans retinoic acid receptors: in vitro effects of selenium. *Biol Trace Elem Res*. 1998 Apr-May;62(1-2):43-50.

**Filipčík P**, Strbak V, Brtko J. Thyroid hormone receptor occupancy and biological effects of 3,5,3'-L-triiodothyronine (T3) in GH4C1 rat pituitary tumour cells. *Physiol Res*. 1998;47(1):41-6.

Wei LN, Lee CH, **Filipčík P**, Chang L. Regulation of the mouse cellular retinoic acid-binding protein-I gene by thyroid hormone and retinoids in transgenic mouse embryos and P19 cells. *J Endocrinol*. 1997 Oct;155(1):35-46.

Nikodemova M, Weismann P, **Filipčík P**, Mraz P, Greer MA, Strbak V. Both iso- and hyperosmotic ethanol stimulate release of hypothalamic thyrotropin-releasing hormone despite opposite effect on neuron volume. *Neuroscience*. 1997 Oct;80(4):1263-9.

**Filipčík P**, Brtko J. [The basis for the variable effects of thyroid hormones] *Cesk Fysiol*. 1996 Mar;45(1):13-20. Slovak.

Brtko J, **Filipčík P**, Hudecova S, Strbak V, Brtkova A. In vitro effects of sodium selenite on nuclear 3,5,3'-triiodothyronine (T3) receptor gene expression in rat pituitary GH4C1 cells. *Biol Trace Elem Res*. 1995 May;48(2):173-83.

**Filipčík P**, Saito H, Katsuki H. 3,5,3'-L-triiodothyronine promotes survival and axon elongation of embryonic rat septal neurons. *Brain Res*. 1994 May 30;647(1):148-52.

Brtko J, **Filipčík P**. Effect of selenite and selenate on rat liver nuclear 3,5,3'-triiodothyronine (T3) receptor. *Biol Trace Elem Res*. 1994 Apr-May;41(1-2):191-9.

Brtko J, Knopp J, Filipcik P, Baker ME. Effect of protease inhibitors and substrates on 3,5,3'-triiodothyronine binding to rat liver nuclear receptors. *Endocr Regul.* 1992 Sep;26(3):127-31.

Knopp J, Brtko J, Filipcik P. Effect of triiodothyronine on rat liver polysome profiles and translational activity of mRNA after partial hepatectomy. *Endocr Regul.* 1992 Jun;26(2):67-72.

Brtko J, Filipcik P, Knopp J, Sedlakova V, Rauova L. Thyroid hormone responsiveness of the L1210 murine leukemia cell line. *Acta Endocrinol (Copenh).* 1992 Apr;126(4):374-7.

Filipcik P, Brtko J, Rauova L, Sedlakova V. Distribution of triiodothyronine nuclear receptors during the cell cycle in mouse leukemia cells. *Folia Biol (Praha).* 1992;38(6):332-9.

Filipcik P, Brtko J, Knopp J. [Cell lines in experimental endocrinology] *Bratisl Lek Listy.* 1990 Apr;91(4):278-83. Slovak.

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\*Equal contribution.

#### NEUROBIOLOGY OF AGING supplement:

Filipcik, P; Pevalova, M; Smrzka, O; Novak, M. Neuronal assay based on developmentally inducible expression of Alzheimer's tau, designed for screening of AD therapeutics. *NEUROBIOLOGY OF AGING*, JUL 2004, 25, Suppl. 2, S265

Pevalova, M; Filipcik, P; Mederlyova, A; Cente, M; Smrzka, O; Novak, M Hyperphosphorylation and oxidative stress as early changes in axon's new AD rat model. *NEUROBIOLOGY OF AGING*, JUL 2004, 25, Suppl. 2, S264

Cente, M; Filipcik, P; Hanusovska, E; Zilka, N; Novak, M Onset and intensity of AD changes in transgenic rat expressing Alzheimer specific Tau protein correlates with gene dosage. *NEUROBIOLOGY OF AGING*, JUL 2004, 25 Suppl. 2, S239

Hrnkova, M; Zilka, N; Filipcik, P; Novak, M Cognitive deficit and progressive motor impairment in AD rat model, *NEUROBIOLOGY OF AGING*, JUL 2004, 25, Suppl. 2, S233

Koson, P; Zilka, N; Filipcik, P; Novak, M Neuronal loss in selected brain areas of a new transgenic AD rat model estimated with unbiased stereological methods, *NEUROBIOLOGY OF AGING*, JUL 2004, 25 Suppl. 2, S249, S250.

Zilka, N; Csokova, N; Vechterova, L; Skrabanova, M; Hrnkova, M; Filipcik, P; Novak, M. Staging of neuropathological changes in axon's novel transgenic AD rat model is linked to a lethal phenotype. *NEUROBIOLOGY OF AGING*, JUL 2004, 25, Suppl. 2, S255